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APPROPRIATIONS
FOR THE
DEPARTMENT OF AGRICULTURE
FOR THE
FISCAL YEAR ENDING JUNE 30, 1906

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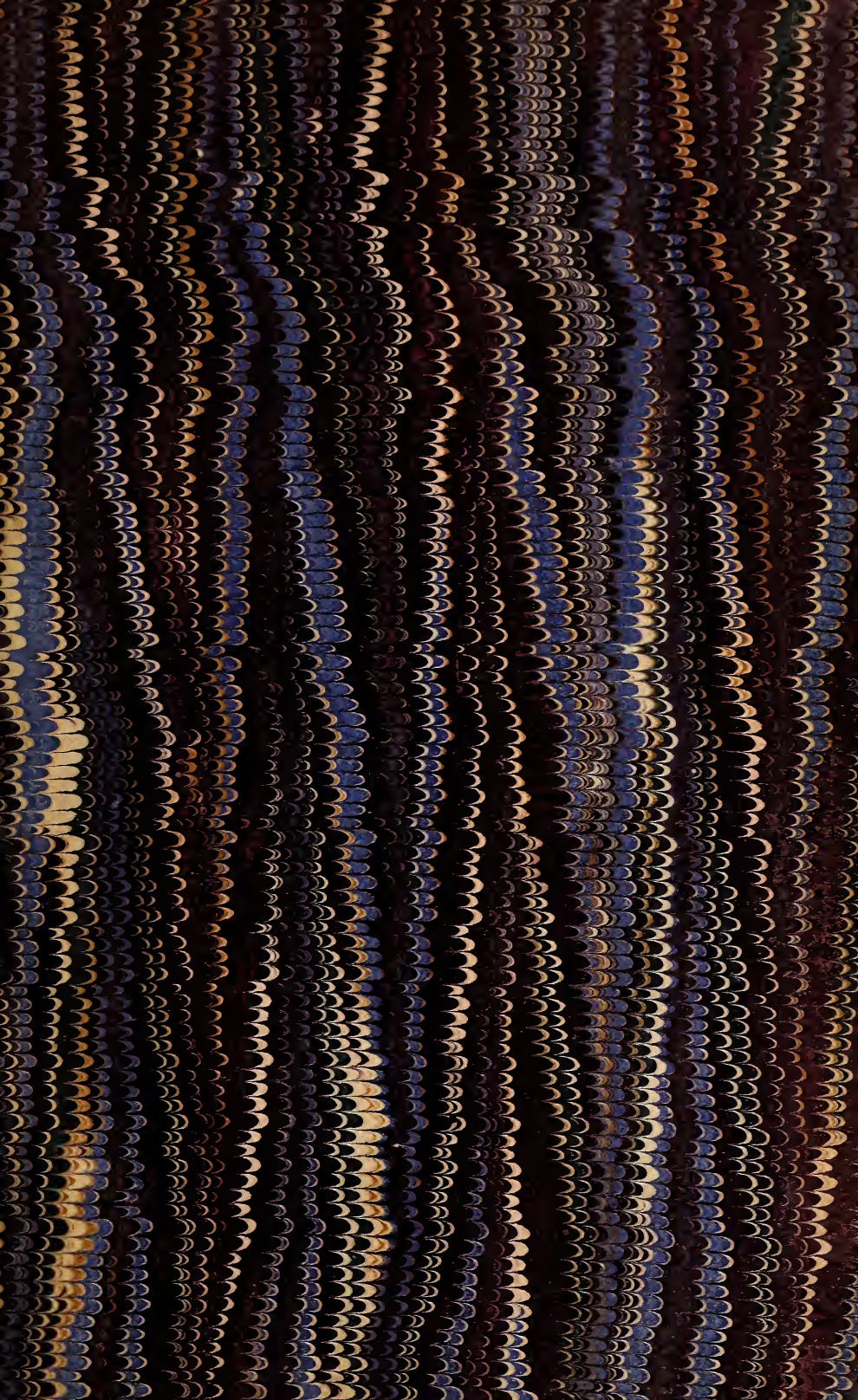
UNITED STATES
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[PUBLIC—No. 138.]

An Act Making appropriations for the Department of Agriculture for the fiscal year ending June thirtieth, nineteen hundred and six.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That the following sums be, and they are hereby, appropriated, out of any money in the Treasury of the United States not otherwise appropriated, in full compensation for the fiscal year ending June thirtieth, nineteen hundred and six, for the purposes and objects hereinafter expressed, namely:

DEPARTMENT OF AGRICULTURE.

OFFICE OF THE SECRETARY: Secretary of Agriculture, eight thousand dollars; Assistant Secretary of Agriculture, four thousand five hundred dollars; chief clerk, two thousand five hundred dollars; one solicitor, two thousand five hundred dollars; private secretary to the Secretary of Agriculture, two thousand five hundred dollars; stenographer and executive clerk to the Secretary of Agriculture, two thousand dollars; stenographer to the Assistant Secretary of Agriculture, one thousand four hundred dollars; private secretary to the Assistant Secretary of Agriculture, one thousand six hundred dollars; one appointment clerk, two thousand dollars; one chief of supply division, two thousand dollars; one telegraph and telephone operator, one thousand four hundred dollars; one telegraph and telephone operator, one thousand two hundred dollars; one clerk class four, one thousand eight hundred dollars; three clerks class three, four thousand eight hundred dollars; two clerks class two, two thousand eight hundred dollars; six clerks class one, seven thousand two hundred dollars; two clerks, at one thousand dollars each, two thousand dollars; one clerk, nine hundred dollars; one clerk, eight hundred and forty dollars; six clerks (now laborers), at seven hundred and twenty dollars each, four thousand three hundred and twenty dollars; one chief engineer, who shall be captain of the watch, one thousand six hundred dollars; one fireman, who shall be a steam fitter, nine hundred dollars; three assistant firemen, at seven hundred and twenty dollars each, two thousand one hundred and sixty dollars; one assistant fireman, six hundred dollars; one carpenter, one thousand dollars; one electrician, one thousand dollars; one painter, nine hundred dollars; one plumber, nine hundred dollars; one blacksmith, eight hundred and forty dollars; thirteen night watchmen, at seven hundred and twenty dollars each, nine thousand three hundred and sixty dollars; two day watchmen (now laborers), at seven hundred and twenty dollars each, one thousand four hundred and forty dollars; one mechanic, one thousand one hundred dollars; seven messengers, at eight hundred and forty dollars each, five thousand eight hundred and eighty dollars; one assistant messenger, seven hundred and twenty dollars; in all, eighty-four thousand six hundred and sixty dollars.

OFFICE OF THE SECRETARY: Laborers and charwomen: One assistant messenger, seven hundred and twenty dollars; one skilled laborer,

eight hundred and forty dollars; one skilled laborer (now laborer), seven hundred and twenty dollars; one skilled laborer, six hundred and sixty dollars; three skilled laborers (now laborers), at six hundred dollars each, one thousand eight hundred dollars; one skilled laborer (now laborer), four hundred and eighty dollars; one assistant messenger or laborer, six hundred dollars; two assistant messengers (now laborers), at six hundred dollars each, one thousand two hundred dollars; one assistant messenger (now laborer), four hundred and eighty dollars; one laborer, six hundred dollars; one painter (now laborer), five hundred and forty dollars; eleven laborers or charwomen, at four hundred and eighty dollars each, five thousand two hundred and eighty dollars; one charwoman, five hundred and forty dollars; five charwomen, at two hundred and forty dollars each, one thousand two hundred dollars; for extra laborers, emergency employments, and pay of rents, ten thousand dollars; in all, twenty-five thousand six hundred and sixty dollars.

Total for office of Secretary, one hundred and ten thousand three hundred and twenty dollars.

WEATHER BUREAU.

SALARIES, OFFICE OF CHIEF OF WEATHER BUREAU: One chief of Bureau, five thousand dollars; one assistant chief of Bureau, three thousand dollars; one chief clerk, two thousand two hundred and fifty dollars; four chiefs of division, at two thousand dollars each, eight thousand dollars; one librarian and climatologist, two thousand dollars; five clerks of class four, nine thousand dollars; one chief of Division of Supplies, one thousand eight hundred dollars; six clerks of class three, nine thousand six hundred dollars; seventeen clerks of class two, twenty-three thousand eight hundred dollars; twenty-five clerks of class one, thirty thousand dollars; sixteen clerks, at one thousand dollars each, sixteen thousand dollars; seven clerks, at nine hundred dollars each, six thousand three hundred dollars; four copyists or typewriters, at eight hundred and forty dollars each, three thousand three hundred and sixty dollars; one copyist or typewriter, seven hundred and twenty dollars; two assistant foremen of division, at one thousand six hundred dollars each, three thousand two hundred dollars; one proof reader, one thousand four hundred dollars; one chief mechanic, one thousand four hundred dollars; one lithographer, one thousand three hundred dollars; three lithographers, at one thousand two hundred dollars each, three thousand six hundred dollars; two pressmen, at one thousand two hundred and fifty dollars each, two thousand five hundred dollars; ten compositors, at one thousand two hundred and fifty dollars each, twelve thousand five hundred dollars; one skilled mechanic, one thousand two hundred dollars; five skilled mechanics, at one thousand dollars each, five thousand dollars; one engineer, one thousand two hundred dollars; one captain of the watch, one thousand dollars; one batteryman, eight hundred and forty dollars; six skilled artisans, at eight hundred and forty dollars each, five thousand and forty dollars; five messengers or laborers, at seven hundred and twenty dollars each, three thousand six hundred dollars; three firemen, at seven hundred and twenty dollars each, two thousand one hundred and sixty dollars; three watchmen, at seven hundred and twenty dollars each, two thousand one hundred and sixty dollars; five

folders and feeders, at seven hundred and twenty dollars each, three thousand six hundred dollars; three folders and feeders, at six hundred and thirty dollars each, one thousand eight hundred and ninety dollars; six messengers or laborers, at six hundred and sixty dollars each, three thousand nine hundred and sixty dollars; thirteen messengers, messenger boys, or laborers, at six hundred dollars each, seven thousand eight hundred dollars; four messengers, messenger boys, or laborers, at four hundred and eighty dollars each, one thousand nine hundred and twenty dollars; five messengers, messenger boys, or laborers, at four hundred and fifty dollars each, two thousand two hundred and fifty dollars; one charwoman, three hundred and sixty dollars; three charwomen, at two hundred and forty dollars each, seven hundred and twenty dollars; in all, one hundred and ninety-one thousand four hundred and thirty dollars.

FUEL, LIGHTS, AND REPAIRS, WEATHER BUREAU: Fuel, lights, repairs, and other expenses for the care and preservation of the public buildings and grounds of the Weather Bureau in the city of Washington, ten thousand dollars.

CONTINGENT EXPENSES, WEATHER BUREAU: Stationery, blank books, necessary scientific and other publications; furniture and repairs to same; freight and express charges; subsistence, care, and purchase of horses for official purposes only; repairs of harness; advertising, dry goods, twine, mats, oils, paints, glass, lumber, hardware, ice, washing towels, and other miscellaneous supplies and expenses not otherwise provided for and necessary for the practical and efficient work of the Weather Bureau in the city of Washington, ten thousand dollars.

SALARIES, WEATHER BUREAU: Professors of meteorology, inspectors, district forecasters, local forecasters, section directors, research observers, observers, assistant observers, operators, repair men, station agents, messengers, messenger boys, laborers, and other necessary employees, for duty in the United States, in the West Indies or on adjacent coasts, in the Hawaiian Islands, and in Bermuda, who, without additional expense to the Government, may hereafter, in the discretion of the Secretary of Agriculture, be granted leaves of absence not to exceed thirty days in any one year, five hundred and thirty-one thousand five hundred and fifty dollars.

GENERAL EXPENSES, WEATHER BUREAU: Every expenditure requisite for and incident to the establishment, equipment, and maintenance of meteorological observation stations in the United States, in the West Indies or on adjacent coasts, in the Hawaiian Islands, and in Bermuda, including the purchase of scientific and other publications, stationery, furniture, instruments, storm-warning towers, and all other necessary supplies and materials; for rents of offices; for traveling expenses; for freight and express charges; for telegraphing, telephoning, or cabling reports and messages, rates to be fixed by the Secretary of Agriculture by agreement with the companies performing the service; for maintenance and repair of seacoast telegraph, telephone, and cable lines; for investigations on climatology; for river observations and reports; for rain observations and reports; for snow observations and reports; for ice observations and reports; for crop observations and reports; for aerial observations and reports; for storm and other warnings and reports; for hurricane observations and reports; including pay of special observers and display men, none of whom shall receive

more than twenty-five dollars per month; and for the maintenance of a printing office in the city of Washington, including the purchase of necessary supplies and materials for printing weather maps, bulletins, circulars, forms, monthly reviews, and other publications, and for pay of assistant foremen, proofreaders, compositors, pressmen, lithographers, and folders and feeders, when necessary, five hundred and sixty-two thousand and ten dollars.

BUILDINGS, WEATHER BUREAU: For the purchase of sites and the erection of not less than five buildings for use as Weather Bureau observatories, and for all necessary labor, materials, and expenses, plans and specifications to be prepared and approved by the Secretary of Agriculture, and work done under the supervision of the Chief of the Weather Bureau, including the purchase of instruments, furniture, supplies, flagstaffs, and storm-warning towers to properly equip these stations: *Provided*, That if any of the money for these several buildings remains unexpended for the special purposes for which it is appropriated, so much of it as is necessary may be expended for the repair, improvement, and equipment of any other buildings or grounds owned by the Government and occupied by the Weather Bureau, outside of the District of Columbia: *And provided further*, That a portion of the Federal building site at Springfield, Illinois, fronting ninety feet on Monroe street and extending back at that width one hundred and sixty feet along Seventh street to paved alley, may be used as a site for one of the five buildings proposed above, and is hereby transferred to the Department of Agriculture for that purpose, fifty-three thousand dollars.

CABLES AND LAND LINES, WEATHER BUREAU: For the purchase and construction of cables and land lines to connect Beaver Island, Michigan, with Charlevoix, Michigan, including all necessary labor and materials, thirty-five thousand dollars.

PENALTY FOR COUNTERFEITING FORECASTS.

Any person who shall knowingly issue or publish any counterfeit weather forecasts or warnings of weather conditions, falsely representing such forecasts or warnings to have been issued or published by the Weather Bureau, or other branch of the Government service, or shall molest or interfere with any weather or storm flag or weather map or bulletin displayed or issued by the United States Weather Bureau, shall be deemed guilty of a misdemeanor, and on conviction thereof, for each offense, be fined in a sum not exceeding five hundred dollars, or be imprisoned not to exceed ninety days, or be both fined and imprisoned, in the discretion of the court.

Total Weather Bureau, one million three hundred and ninety-two thousand nine hundred and ninety dollars.

BUREAU OF ANIMAL INDUSTRY.

SALARIES, BUREAU OF ANIMAL INDUSTRY: One Chief of Bureau, four thousand five hundred dollars, and for additional compensation while the office is held by the present incumbent, five hundred dollars; one chief clerk, two thousand dollars; two clerks of class four, three thousand six hundred dollars; one editor, two thousand dollars; five clerks of class three, eight thousand dollars; thirteen clerks of class

two, eighteen thousand two hundred dollars; thirteen clerks of class one, fifteen thousand six hundred dollars; eight clerks, at one thousand dollars each, eight thousand dollars; two clerks, at nine hundred dollars each, one thousand eight hundred dollars; two clerks, at eight hundred and forty dollars each, one thousand six hundred and eighty dollars; three clerks (now laborers), at seven hundred and twenty dollars each, two thousand one hundred and sixty dollars; two clerks (now laborers), at six hundred dollars each, one thousand two hundred dollars; one mechanic, one thousand two hundred dollars; one messenger and custodian, one thousand dollars; one carpenter, one thousand one hundred dollars; one messenger, eight hundred and forty dollars; three messengers, at seven hundred and twenty dollars each, two thousand one hundred and sixty dollars; one messenger (now laborer), seven hundred and twenty dollars; one skilled laborer, eight hundred and forty dollars; two skilled laborers (now laborers), at seven hundred and twenty dollars each, one thousand four hundred and forty dollars; two skilled laborers (now laborers), at six hundred dollars each, one thousand two hundred dollars; one skilled laborer, six hundred and sixty dollars; two skilled laborers (now laborers), at four hundred and eighty dollars each, nine hundred and sixty dollars; one fireman (now laborer), at seven hundred and twenty dollars; one illustrator, at one thousand four hundred dollars; in all, eighty-three thousand four hundred and eighty dollars.

GENERAL EXPENSES, BUREAU OF ANIMAL INDUSTRY: For carrying out the provisions of the Act approved May twenty-ninth, eighteen hundred and eighty-four, establishing the Bureau of Animal Industry, and the Act approved August thirtieth, eighteen hundred and ninety, providing for an inspection of meats and animals, and the provisions of the Act approved March third, eighteen hundred and ninety-one, providing for the inspection of live cattle, hogs, and the carcasses and products thereof which are the subjects of interstate and foreign commerce, and for other purposes, and to prescribe rules and regulations for the safe transport and humane treatment of export cattle from the United States to foreign countries, and the amendatory Act approved March second, eighteen hundred and ninety-five, providing for the inspection of live cattle, hogs, and the carcasses and products thereof which are the subjects of interstate and foreign commerce, and for other purposes, and also the provisions of the Act approved February second, nineteen hundred and three, to enable the Secretary of Agriculture to more effectually suppress and prevent the spread of contagious and infectious diseases of live stock, and for other purposes: *Provided*, That live horses be entitled to the same inspection as other animals herein named: *Provided further*, That the Secretary of Agriculture may, in his discretion, waive the requirement of a certificate with beef and other products, which are exported to countries that do not require such inspection, one million four hundred and thirty-one thousand five hundred and twenty dollars, and the Secretary of Agriculture is hereby authorized to use any part of this sum he may deem necessary or expedient, in such manner as he may think best, in the collection of information concerning live stock, dairy and other animal products, and to prevent the spread of pleuro-pneumonia, blackleg, tuberculosis, sheep scab, glanders or farcy, hog cholera, and other diseases of animals, and for this purpose to employ as many persons in the city of Washington or elsewhere as he may deem necessary, and to

expend any part of this sum in the purchase and destruction of diseased or exposed animals and the quarantine of the same whenever in his judgment it is essential to prevent the spread of pleuro-pneumonia, tuberculosis, or other diseases of animals from one State to another; for improving and maintaining the Bureau Experiment Station, at Bethesda, Maryland; to establish, improve, and maintain quarantine stations, and to provide proper shelter and equipment for the care of neat cattle, domestic and other animals imported at such ports as may be deemed necessary; for printing and publishing such reports relating to animal industry as he may direct: and the Secretary of Agriculture may use so much of this sum as he deems necessary for promoting the extension and development of foreign markets for dairy and other farm products of the United States, and for suitable transportation of the same; and such products may be bought in open market and disposed of at the discretion of the Secretary of Agriculture, and he is authorized to apply the moneys received from the sales of such products toward the continuation and repetition of such experimental exports; and the Secretary is hereby authorized to rent suitable buildings in the District of Columbia, at an annual rental of not exceeding two thousand five hundred dollars to be used for office, laboratory and storage purposes for said Bureau of Animal Industry; and the employees of the Bureau of Animal Industry outside of the city of Washington may hereafter, in the discretion of the Secretary of Agriculture, without additional expense to the Government, be granted leaves of absence not to exceed fifteen days in any one year: *Provided*, That the Secretary of Agriculture may construe the provisions of the Act of March third, eighteen hundred and ninety-one, as amended March second, eighteen hundred and ninety-five, for the inspection of live cattle and products thereof, to include dairy products intended for exportation to any foreign country and may apply, under rules and regulations to be prescribed by him, the provisions of said Act for inspection and certification appropriate for ascertaining the purity and quality of such products, and may cause the same to be so marked, stamped, or labeled as to secure their identity and make known in the markets of foreign countries to which they may be sent from the United States their purity, quality, and grade: and all the provisions of said Act relating to live cattle and products thereof for export shall apply to dairy products so inspected and certified.

For experiments in animal breeding and feeding in cooperation with State agricultural stations, twenty-five thousand dollars.

Total, Bureau of Animal Industry, one million five hundred and forty thousand dollars.

BUREAU OF PLANT INDUSTRY.

SALARIES, BUREAU OF PLANT INDUSTRY: One plant physiologist and pathologist, who shall be chief of bureau, four thousand five hundred dollars; one chief clerk, two thousand dollars; one superintendent, gardens and grounds, one thousand eight hundred dollars; five clerks, class four, nine thousand dollars; seven clerks, class three, eleven thousand two hundred dollars; twelve clerks, class two, sixteen thousand eight hundred dollars; twenty-seven clerks, class one, thirty-two thousand four hundred dollars; one seed clerk and superintendent, one thousand two hundred dollars; one clerk or artist, one thousand

two hundred dollars; one artist, eight hundred and forty dollars; fourteen clerks, at one thousand dollars each, fourteen thousand dollars; six clerks, at nine hundred dollars each, five thousand four hundred dollars; eight clerks, at eight hundred and forty dollars each, six thousand seven hundred and twenty dollars; one clerk, seven hundred and twenty dollars; ten clerks (now laborers,) at seven hundred and twenty dollars each, seven thousand two hundred dollars; four clerks (now laborers), at six hundred and sixty dollars each, two thousand six hundred and forty dollars; two clerks (now laborers), at six hundred dollars each, one thousand two hundred dollars; one clerk (now laborer), four hundred and eighty dollars; one photographer or clerk (now laborer), seven hundred and twenty dollars; one assistant photographer, six hundred dollars; one illustrator, seven hundred and twenty dollars; one carpenter, eight hundred and forty dollars; one carpenter (now laborer), seven hundred and twenty dollars; one gardener or assistant, one thousand dollars; four gardeners, at nine hundred dollars each, three thousand six hundred dollars; two gardeners, at eight hundred and forty dollars each, one thousand six hundred and eighty dollars; three gardeners, at seven hundred and eighty dollars each, two thousand three hundred and forty dollars; one gardener, six hundred dollars; one gardener (now laborer), seven hundred and twenty dollars; two gardeners (now laborers), at six hundred and sixty dollars each, one thousand three hundred and twenty dollars; one gardener, six hundred and sixty dollars; one skilled laborer, nine hundred dollars; one painter, eight hundred and forty dollars; two plumbers (now laborers), at seven hundred and twenty dollars each, one thousand four hundred and forty dollars; one fireman (now laborer), seven hundred and twenty dollars; two firemen (now laborers), at six hundred dollars each, one thousand two hundred dollars; one clerk or messenger, eight hundred and forty dollars; one skilled laborer, seven hundred and twenty dollars; two skilled laborers (now laborers), at seven hundred and twenty dollars each, one thousand four hundred and forty dollars; three skilled laborers (now laborers), at six hundred and sixty dollars each, one thousand nine hundred and eighty dollars; five skilled laborers (now laborers), at six hundred dollars each, three thousand dollars; one skilled laborer (now laborer), four hundred and eighty dollars; one messenger, six hundred and sixty dollars; one messenger (now laborer), seven hundred and twenty dollars; three messengers (now laborers), at six hundred dollars each, one thousand eight hundred dollars; one messenger (now laborer), four hundred and eighty dollars; two watchmen (now laborers), at seven hundred and twenty dollars each, one thousand four hundred and forty dollars; three watchmen (now laborers), at six hundred dollars each, one thousand eight hundred dollars; two skilled laborers, or messengers, at four hundred and eighty dollars each, nine hundred and sixty dollars; two messenger boys, at three hundred and sixty dollars each, seven hundred and twenty dollars; three messenger boys, at three hundred dollars each, nine hundred dollars; in all, one hundred and fifty-seven thousand eight hundred and sixty dollars.

GENERAL EXPENSES, BUREAU OF PLANT INDUSTRY.

VEGETABLE PATHOLOGICAL AND PHYSIOLOGICAL INVESTIGATIONS:
Investigating the nature of diseases injurious to fruits, fruit trees,

grain, cotton, vegetable, and other useful plants; experiments in the treatment of the same; the study of plant physiology in relation to crop production and the improvement of crops by breeding and selection; to investigate the diseases affecting citrus fruits, pineapples, and truck crops grown during the winter in the Southern States; to investigate canaigre and other tannin-bearing plants; to investigate and report upon the diseases affecting plants on the Pacific coast; to originate or introduce improved varieties of fruits and vegetables in cooperation with the section of seed and plant introduction; to study the relation of soil and climatic conditions to diseases of plants, particularly with reference to the California vine diseases and diseases of the sugar beet, in cooperation with the Bureau of Soils, and for other purposes connected with the discovery and practical application of improved methods of crop production; to continue the work of originating, by breeding and selection, in cooperation with the other divisions of the Department and the experiment stations, new varieties of oranges, lemons, and other tropical and subtropical fruits more resistant to cold and disease and of better quality; varieties of wheat and other cereals more resistant to rust and smut and better suited to the various sections of this country; varieties of rice more resistant to "rice blight," and for experiments for the substitution of other products on rice lands; varieties of cotton more resistant to disease and of longer and better staple; varieties of pears and apples more resistant to blight and better adapted for export, and varieties of tobacco of uniform type and of better quality; to investigate the causes of decay in forest timber and timber used for construction purposes, and to devise means for preventing the decay of the same; to investigate the practical application in agriculture of the fixation of atmospheric nitrogen by bacteria and other micro-organisms in soils and in the root tubercles of leguminous and other plants; to cultivate and distribute these nitrogen fixers and to determine the conditions most favorable to their development; to study and find methods for preventing algal and other contaminations of water supplies; the employment of investigators, local and special agents, clerks, assistants, students or scientific aids, and other labor required in conducting experiments in the city of Washington and elsewhere; and collating, digesting, reporting, and illustrating the results of such experiments; for telegraph and telephone service; for gas and electric current; purchase of chemicals and apparatus required in the field and laboratory; actual and necessary traveling expenses; for express and freight charges; the preparation of reports and illustrations; the rent and repairs of a building, not to exceed six thousand dollars per annum; all necessary office fixtures and supplies and for other expenses connected with the practical work of the investigation, one hundred and fifty-five thousand six hundred and forty dollars, of which sum ten thousand dollars shall be immediately available.

For all expenses, including the employment of labor in Washington or elsewhere, to enable the Secretary of Agriculture, through the Bureau of Plant Industry, to carry on special investigations, in cooperation with the State experiment stations, of the conditions of grain production in the United States and of the means of improving the same; to develop varieties suited to semiarid districts and high altitudes; to determine the best methods of cultivation of grain for different districts; to make possible a further extension northward of winter

grains by increasing their hardness; to determine the cause of the deterioration of grain from the milling standpoint, in cooperation with the Bureau of Chemistry; to investigate the conditions affecting the quality of stored grain and grain in transit, twenty-five thousand dollars; in all, one hundred and eighty thousand six hundred and forty dollars.

POMOLOGICAL INVESTIGATIONS: Investigating, collecting, and disseminating information relating to the fruit industry; the collection and distribution of seeds, shrubs, trees, and specimens; and for collecting and modeling fruits, vegetables, and other plants, and furnishing duplicate models to the experiment stations of the several States, as far as found practicable; the employment of investigators, local and special agents, clerks, assistants, students or scientific aids, and other labor required in conducting experiments in the city of Washington and elsewhere; and in collating, digesting, reporting, and illustrating the results of such experiments; for gas and electric current; for telegraph and telephone services; for express and freight charges; for rent and repairs, not to exceed two thousand dollars; for all necessary office fixtures and supplies and for traveling and other necessary expenses; to continue the investigations and experiments in the introduction of the culture of European table grapes and the study of the diseases that affect them, for the purpose of discovering remedies therefor, this work to be done in cooperation with the section of seed and plant introduction; to investigate in cooperation with the other divisions and bureaus of the Department and the experiment stations of the several States the market conditions affecting the fruit and vegetable trade in the United States and foreign countries, and the methods of harvesting, packing, storing, and shipping fruit and vegetables, and for experimental shipments of fruits and vegetables to foreign countries, for the purpose of increasing the exportation of American fruits and vegetables, and for all necessary expenses connected with the practical work of the same, and such fruits, vegetables, packages, and packing material as are needed for those investigations and experimental shipments may be bought in open market and disposed of at the discretion of the Secretary of Agriculture, and he is authorized to apply the moneys received from the sales of such fruits and vegetables toward the continuation and repetition of these investigations and experimental shipments, and such moneys shall be available until used; to investigate, map, and report upon the commercial fruit districts of the United States, for the purpose of determining the relative adaptability of the several important fruits thereto, by a study of the conditions of soil and climate, and of the prevalence of plant diseases existing therein as related to commercial fruit production, thirty-five thousand six hundred and forty dollars, ten thousand dollars of which sum may, in the discretion of the Secretary, be expended in cooperation with the experiment station of the State of California for determining the adaptability of various grape stocks to the different soil and climatic conditions of the Pacific coast and their resistance to disease.

BOTANICAL INVESTIGATIONS AND EXPERIMENTS: Investigations relating to medicinal, poisonous, fiber, and other economic plants, seeds, and weeds; the collection of plants, traveling expenses, and express and freight charges; for all necessary office fixtures; the purchase of paper and all other necessary supplies, materials, and apparatus; for rent and

ordinary repairs of a building for office and laboratory purposes, not to exceed three thousand dollars; for gas and electric current; for telegraph and telephone service; for the employment of investigators, local and special agents, clerks, assistants, student or scientific aids, and other labor in conducting experiments in the city of Washington and elsewhere; and in collating, digesting, reporting, and illustrating the results of such experiments; subscriptions to, and purchase of, botanical publications for use in the division; and the preparation, illustration, and publication of reports; to investigate and publish reports upon the useful plants and plant cultures of the tropical territory of the United States, and to investigate, report upon, and introduce other plants promising to be valuable for the tropical territory of the United States, such plants and botanical and agricultural information when secured to be made available for the work of agricultural experiment stations and schools; to investigate the varieties of cereals grown in the United States or suitable for introduction, in order to standardize the naming of varieties as a basis for the experimental work of the State experiment stations, and as an assistance in commercial grading, and to investigate, in cooperation with the Bureau of Chemistry, the cause of deterioration of export grain, particularly in oceanic transit, and devise means of preventing losses from those causes. The Secretary is hereby directed to obtain in the open market samples of seeds of grass, clover, or alfalfa, test the same, and if any such seeds are found to be adulterated or misbranded, or any seeds of Canada blue grass (*Poa compressa*) are obtained under any other name than Canada blue grass or *Poa compressa*, to publish the results of the tests, together with the names of the persons by whom the seeds were offered for sale, sixty-three thousand eight hundred and forty dollars.

GRASS AND FORAGE PLANT INVESTIGATIONS: To enable the Secretary of Agriculture to conduct investigations of grasses, forage plants, and animal foods in cooperation with other divisions of the Department; to collect and purchase seeds, roots, and specimens of valuable economic grasses and forage plants for investigation; experimental cultivation and distribution, and for experiments and reports upon the best methods of extirpating Johnson and other noxious and destructive grasses; to purchase tools, all necessary office fixtures, materials, apparatus, and supplies; to pay freight, express charges, and traveling expenses; for telegraph and telephone service; for gas and electric current; for the employment of local and special agents, clerks, assistants, student or scientific aids, and other labor required in conducting experiments in the city of Washington and elsewhere; rent and repairs of a building not to exceed two thousand five hundred dollars per annum; to prepare drawings and illustrations for circulars, reports, and bulletins; and the agricultural experiment stations are hereby authorized and directed to cooperate with the Secretary of Agriculture in establishing and maintaining experimental grass stations, for determining the best methods of caring for and improving meadows and grazing lands, the use of different grasses and forage plants, and their adaptability to various soils and climates, the best native and foreign species for reclaiming overstocked ranges and pastures, for renovating worn-out lands, for binding drifting sands and washed lands, and for turfing lawns and pleasure grounds, and for solving the various forage problems presented in the several sections of our country, thirty-nine thousand six hundred and sixty dollars.

EXPERIMENTAL GARDENS AND GROUNDS: Cultivation and care of experimental gardens and grounds, including the keep of lawns, trees, roadways, and walks; management and maintenance of the conservatories, greenhouses, and plant and fruit propagating houses; employment of assistants, experts, foremen, gardeners, laborers, carpenters, painters, plumbers, and other mechanics, in the city of Washington or elsewhere, machinery, tools, wagons, carts, horses, harness, plows, lawn mowers, sprinklers, hose, watering cans, tubs, pots, and other implements required in cultivation; lumber, hardware, glass, paints, tin, stones, gravel, and other material required for repairs; fertilizers, insecticide apparatus, and chemicals; blacksmithing, horseshoeing, and repairs to implements and machinery; seeds, plants, and bulbs for propagating purposes; labels, potting and packing materials, feed for horses, fuel, freight and express charges, repairing roadways and walks, traveling and other necessary expenses, and for electric lighting, for telegraph and telephone services, and for all necessary office fixtures and supplies, twenty thousand three hundred and twenty dollars, of which sum five thousand dollars shall be immediately available for fuel and necessary equipment for new greenhouses.

ARLINGTON EXPERIMENTAL FARM: To enable the Secretary of Agriculture to continue the necessary improvements to establish and maintain a general experimental farm and agricultural station on the Arlington estate, in the State of Virginia, including employment of labor in the city of Washington or elsewhere, and for all necessary fixtures, supplies, material, apparatus, and other expenses, in accordance with the provisions of the Act of Congress approved April eighteenth, nineteen hundred, entitled "An Act to set apart a portion of the Arlington estate for experimental agricultural purposes, and to place said portion under the jurisdiction of the Secretary of Agriculture and his successors in office," which Act shall be construed to confer upon the Secretary of Agriculture and his successors jurisdiction over so much of the Government land in Alexandria County, Virginia, known as the Arlington estate, as lies east of the public road leading from the Aqueduct Bridge to Alexandria, Virginia, otherwise called the Georgetown and Alexandria road, and between said road and the Potomac River, containing about four hundred acres, with the exception, however, of a strip of land as follows: Commencing at the point where the Georgetown and Alexandria road enters the Arlington estate on the north side, thence along said road six hundred and twenty-five yards, thence in a line perpendicular to said road to the Chesapeake and Ohio Canal, thence along said canal to the north line of the reservation, twenty thousand dollars.

TEA-CULTURE INVESTIGATIONS: For all expenses necessary, including the employment of labor in the city of Washington or elsewhere, to enable the Secretary of Agriculture to investigate and report on the cost of making tea and the best method of cultivating and preparing the same for market, so as to demonstrate whether it is practicable to introduce its culture in the Southern States as a profitable industry, and for all necessary fixtures, supplies, apparatus, material, and other expenses, eight thousand five hundred dollars.

PURCHASE AND DISTRIBUTION OF VALUABLE SEEDS: For the purchase, propagation, testing, and distribution of valuable seeds, bulbs, trees, shrubs, vines, cuttings, and plants; for rent and repairs; the employment of local and special agents, clerks, assistants, and other labor

required, in the city of Washington and elsewhere; all necessary office fixtures and supplies, fuel, transportation, paper, twine, gum, printing, postal cards, gas, and electric current, traveling expenses, and all necessary material and repairs for putting up and distributing the same, and to be distributed in localities adapted to their culture, two hundred and forty-two thousand nine hundred and twenty dollars, of which amount not less than two hundred and two thousand dollars shall be allotted for Congressional distribution. And the Secretary of Agriculture is hereby directed to expend the said sum, as nearly as practicable, in the purchase, testing, and distribution of such valuable seeds, bulbs, shrubs, vines, cuttings, and plants, the best he can obtain at a public or private sale, and such as shall be suitable for the respective localities to which the same are to be apportioned, and in which same are to be distributed as hereinafter stated, and such seeds so purchased shall include a variety of vegetable and flower seeds suitable for planting and culture in the various sections of the United States. An equal proportion of two-thirds of all seeds, bulbs, shrubs, vines, cuttings, and plants shall, upon their request, after due notification by the Secretary of Agriculture that the allotment to their respective districts is ready for distribution, be supplied to Senators, Representatives, and Delegates in Congress for distribution among their constituents, or mailed by the Department upon the receipt of their addressed franks; such franks to be furnished by the Public Printer, as is now done for document slips, with the names of Senators, Members, and Delegates printed thereon, and the words "United States Department of Agriculture, Congressional Seed Distribution," or such other phraseology as the Secretary may direct; and the person receiving such seeds shall be requested to inform the Department of the results of the experiments therewith: *Provided*, That all seeds, bulbs, plants, and cuttings herein allotted to Senators, Representatives, and Delegates in Congress for distribution remaining uncalled for on the first of April shall be distributed by the Secretary of Agriculture, giving preference to those persons whose names and addresses have been furnished by Senators and Representatives in Congress, and who have not before, during the same season, been supplied by the Department: *And provided also*, That the Secretary shall report, as provided in this Act, the place, quantity, and price of seeds purchased, and the date of purchase; but nothing in this paragraph shall be construed to prevent the Secretary of Agriculture from sending seeds to those who apply for the same. And the amount herein appropriated shall not be diverted or used for any other purpose but for the purchase, testing, propagation, and distribution of valuable seeds, bulbs, mulberry and other rare and valuable trees, shrubs, vines, cuttings, and plants: *Provided, however*, That upon each envelope or wrapper containing packages of seeds the contents thereof shall be plainly indicated, and the Secretary shall not distribute to any Senator, Representative, or Delegate seeds entirely unfit for the climate and locality he represents, but shall distribute the same so that each member may have seeds of equal value, as near as may be, and the best adapted to the locality he represents: *Provided also*, That the seeds allotted to Senators and Representatives for distribution in the districts embraced within the twenty-fifth and thirty-fourth parallels of latitude shall be ready for delivery not later than the tenth day of January: *Provided further*, That thirty-seven thousand seven hundred and eighty dollars of which sum, or so much thereof as the Secretary of Agriculture shall direct,

may be used to collect, purchase, test, propagate, and distribute rare and valuable seeds, bulbs, trees, shrubs, vines, cuttings, and plants from foreign countries or from our possessions for experiments with reference to their introduction into and cultivation in this country; and the seeds, bulbs, trees, shrubs, vines, cuttings, and plants thus collected, purchased, tested, and propagated shall not be included in general distribution, but shall be used for experimental tests, to be carried on with the cooperation of the agricultural experiment stations: *And provided also*, That ten thousand dollars of the sum thus appropriated, or so much thereof as may be necessary, may be used for the erection of a suitable seed warehouse for packeting and mailing seeds on Congressional orders.

INVESTIGATING PRODUCTION OF DOMESTIC SUGAR: For all expenses, including the employment of labor in the city of Washington or elsewhere, necessary to enable the Secretary of Agriculture to develop the domestic production of sugar-beet seed, to demonstrate the superiority of high-grade seed, and to demonstrate the best methods of increasing the tonnage of sugar beets, to continue inquiry and ascertain the progress made in the production of domestic sugar from beets and sorghum, including the area of available lands adapted thereto by irrigation or otherwise, and to investigate all other matters concerning the same, seven thousand five hundred dollars.

Total for Bureau of Plant Industry, seven hundred and seventy-six thousand eight hundred and eighty dollars.

FOREST SERVICE.

SALARIES, FOREST SERVICE: One forester, who shall be chief of bureau, three thousand five hundred dollars; one chief, division of records, two thousand two hundred dollars; one clerk, class four, one thousand eight hundred dollars; three clerks, class three, four thousand eight hundred dollars; one clerk, class two, one thousand four hundred dollars; five clerks, class one, six thousand dollars; ten clerks, at one thousand dollars each, ten thousand dollars; eight clerks, at nine hundred dollars each, seven thousand two hundred dollars; one clerk, eight hundred and forty dollars; four clerks, at eight hundred dollars each, three thousand two hundred dollars; seven clerks, at seven hundred and twenty dollars each, five thousand and forty dollars; three clerks (now laborers), at seven hundred and twenty dollars each, two thousand one hundred and sixty dollars; twelve clerks, at six hundred dollars each, seven thousand two hundred dollars; seven clerks (now laborers), at six hundred dollars each, four thousand two hundred dollars; nine clerks, at four hundred and eighty dollars each, four thousand three hundred and twenty dollars; two clerks (now laborers), at four hundred and eighty dollars each, nine hundred and sixty dollars; one computer, one thousand four hundred dollars; one draftsman, one thousand six hundred dollars; two draftsmen, at one thousand two hundred dollars each, two thousand four hundred dollars; one draftsman, one thousand dollars; one draftsman, nine hundred dollars; one computer, one thousand dollars; one photographer, one thousand two hundred dollars; one photographer, nine hundred dollars; one messenger (now laborer), seven hundred and twenty dollars; one messenger, seven hundred dollars; two messengers, at six hundred dollars each, one thousand two hundred dollars; one messenger (now laborer), six hundred dollars; one messenger, four hundred dollars; one carpenter

(now laborer), seven hundred and twenty dollars; two watchmen, at six hundred dollars each, one thousand two hundred dollars; one electrician (now laborer), six hundred dollars; one skilled laborer, six hundred dollars; in all, eighty-one thousand nine hundred and sixty dollars.

GENERAL EXPENSES, FOREST SERVICE: To enable the Secretary of Agriculture to experiment and to make and continue investigations and report on forestry, forest reserves, forest fires, and lumbering; to advise the owners of woodlands as to the proper care of the same; to investigate and test American timber and timber trees; to seek, through investigations and the planting of native and foreign species, suitable trees for the treeless regions; to erect necessary buildings: *Provided*, That the cost of any building erected shall not exceed five hundred dollars; for all expenses necessary to protect, administer, improve, and extend the National forest reserves, and officials of the Forest Service designated by the Secretary of Agriculture shall, in all ways that are practicable, aid in the enforcement of the laws of the States or Territories in the prevention and extinguishment of forest fires and the protection of fish and game, and all persons employed in the forest reserve and national park service of the United States shall have authority to make arrests for the violation of the laws and regulations relating to the forest reserves and national parks, and any person so arrested shall be taken before the nearest United States commissioner, within whose jurisdiction the reservation or national park is located, for trial; and upon sworn information by any competent person any United States commissioner in the proper jurisdiction shall issue process for the arrest of any person charged with the violation of said laws and regulations; but nothing herein contained shall be construed as preventing the arrest by any officer of the United States, without process, of any person taken in the act of violating said laws and regulations.

For ascertaining the natural conditions upon and for utilizing the National forest reserves—and the Secretary of Agriculture may, in his discretion, permit timber and other forest products cut or removed from the forest reserves of the United States, except the Black Hills Forest Reserve in South Dakota and the Forest Reserves in Idaho, to be exported from the State, Territory, or the District of Alaska, in which said reserves are respectively situated—for the employment of local and special fiscal and other agents, clerks, assistants, and other labor required in practical forestry, in the administration of forest reserves, and in conducting experiments and investigations in the city of Washington and elsewhere; and he may dispose of photographic prints at cost and ten per centum additional, and other property or materials under his charge in the same manner as provided by law for other bureaus; for collating, digesting, reporting, illustrating, and printing the results of such experiments and investigations; and for the purchase of all necessary supplies, apparatus, and office fixtures; for freight and express charges and traveling and other necessary expenses, seven hundred and ninety-three thousand one hundred and eighty dollars, of which sum not to exceed twenty-five thousand dollars may be used for rent. And the employees of the Forest Service outside of the city of Washington may, in the discretion of the Secretary of Agriculture, without additional expense to the Government, be granted leaves of absence not to exceed fifteen days in any one year.

Total for Forest Service, eight hundred and seventy-five thousand one hundred and forty dollars.

BUREAU OF CHEMISTRY.

SALARIES, BUREAU OF CHEMISTRY: One chemist, who shall be chief of bureau, three thousand five hundred dollars; one chief clerk, one thousand six hundred dollars; two clerks, class two, two thousand eight hundred dollars; two clerks, class one, two thousand four hundred dollars; one clerk, one thousand dollars; one library clerk, nine hundred dollars; two clerks, at eight hundred and forty dollars each, one thousand six hundred and eighty dollars; one clerk, seven hundred and twenty dollars; two clerks (now laborers), at seven hundred and twenty dollars each, one thousand four hundred and forty dollars; one engineer, one thousand two hundred dollars; two messengers, at eight hundred and forty dollars each, one thousand six hundred and eighty dollars; three skilled laborers (now laborers), at seven hundred and twenty dollars each, two thousand one hundred and sixty dollars; one skilled laborer (now laborer), six hundred dollars; one fireman, six hundred dollars; two messengers or laborers, at four hundred and eighty dollars each, nine hundred and sixty dollars; two messengers or laborers, at four hundred and twenty dollars each, eight hundred and forty dollars; in all, twenty-four thousand and eighty dollars.

LABORATORY, DEPARTMENT OF AGRICULTURE: General expenses, Bureau of Chemistry: Chemical apparatus, chemicals, laboratory fixtures and supplies, repairs to engine and apparatus, gas and electric current, purchase of all necessary office fixtures, supplies, and necessary expenses in conducting investigations in this Bureau, including actual and necessary traveling and other expenses, telegraph and telephone services, for express and freight charges, labor and expert work in such investigations, in the city of Washington and elsewhere, and in collating, digesting, reporting, and illustrating the results of such experiments; to continue the collaboration with other bureaus and divisions of the Department desiring chemical investigations and to collaborate with other Departments of the Government whose heads request the Secretary of Agriculture for such assistance, and for other miscellaneous work; for the employment of additional assistants and chemists, when necessary, and for the rent of buildings occupied by the Bureau of Chemistry; to investigate the adulteration of foods, condiments, beverages, and drugs, when deemed by the Secretary of Agriculture advisable, and to publish the results of such investigations when thought advisable, and also the effect of cold storage upon the healthfulness of foods; to enable the Secretary of Agriculture to investigate the character of food preservatives, coloring matters, and other substances added to foods, to determine their relation to digestion and to health, and to establish the principles which should guide their use; to enable the Secretary of Agriculture to investigate the character of the chemical and physical tests which are applied to American food products in foreign countries, and to inspect before shipment, when desired by the shippers or owners of these food products, American food products intended for countries where chemical and physical tests are required before said food products are allowed to be sold in the countries mentioned, and for all necessary expenses connected with such inspection and studies of methods of analysis in foreign countries; to enable the Secretary of Agriculture, in collaboration with the Association of Official Agricultural Chemists, and such other experts as he may deem necessary, to establish standards of

purity for food products and to determine what are regarded as adulterations therein. To investigate, in collaboration with the Bureau of Animal Industry, the chemistry of dairy products and of adulterants used therein, and of the adulterated products; to determine the composition of process, renovated, or adulterated and other treated butters, and other chemical studies relating to dairy products, and to make all analyses of samples required for the execution of the law regulating the manufacture of process, renovated, or adulterated butters. To study, in collaboration with the Weather Bureau and agricultural experiment stations, the influence of environment upon the chemical composition of wheat and other cereals, with especial reference to the variation in the content of gluten, and the suitability of barley for brewing and other purposes. To investigate the chemical composition of sugar and starch-producing plants in the United States and its possessions, and, in collaboration with the Weather Bureau and agricultural experiment stations, to study the effects of environment upon the chemical composition of sugar and starch-producing plants. To investigate the adulteration, false labeling, or false branding of foods, drugs, beverages, condiments, and ingredients of such articles, when deemed by the Secretary of Agriculture advisable, and report the result in the bulletins of the Department; and the Secretary of Agriculture, whenever he has reason to believe that such articles are being imported from foreign countries which are dangerous to the health of the people of the United States, or which shall be falsely labeled or branded either as to their contents or as to the place of their manufacture or production, shall make a request upon the Secretary of the Treasury for samples from original packages of such articles for inspection and analysis, and the Secretary of the Treasury is hereby authorized to open such original packages and deliver specimens to the Secretary of Agriculture for the purpose mentioned, giving notice to the owner or consignee of such articles, who may be present and have the right to introduce testimony; and the Secretary of the Treasury shall refuse delivery to the consignee of any such goods which the Secretary of Agriculture reports to him have been inspected and analyzed and found to be dangerous to health or falsely labeled or branded, either as to their contents or as to the place of their manufacture or production or which are forbidden entry or to be sold, or are restricted in sale in the countries in which they are made or from which they are exported, employing such assistants, clerks, and other persons as the Secretary of Agriculture may consider necessary for the purpose named, one hundred and thirty thousand nine hundred and twenty dollars: *Provided*, That three thousand dollars thereof shall be used exclusively for the purpose of investigating, determining and reporting the proper treatment and process in order to secure uniform grade and quality of first-class table sirup.

Total for Bureau of Chemistry, one hundred and fifty-five thousand dollars.

BUREAU OF SOILS.

SALARIES, BUREAU OF SOILS: One soil physicist, who shall be chief of bureau, three thousand five hundred dollars; one chief clerk, two thousand dollars; one clerk, class four, one thousand eight hundred dollars; one clerk, class three, one thousand six hundred dollars; three clerks, class two, four thousand two hundred dollars; six clerks, class one, seven thousand two hundred dollars; one draftsman, one thousand

two hundred dollars; one draftsman, one thousand dollars; three clerks, at one thousand dollars each, three thousand dollars; one clerk, eight hundred and forty dollars; one clerk (now laborer), seven hundred and twenty dollars; one clerk (now laborer), six hundred dollars; one carpenter, eight hundred and forty dollars; one assistant photographer, eight hundred and forty dollars; one mechanician, one thousand dollars; one fireman, eight hundred and forty dollars; two watchmen, at seven hundred and twenty dollars each, one thousand four hundred and forty dollars; one messenger, seven hundred and twenty dollars; one messenger or laborer, four hundred and eighty dollars; one charwoman, four hundred and eighty dollars; one messenger boy, three hundred and sixty dollars; in all, thirty-four thousand six hundred and sixty dollars.

SOIL INVESTIGATIONS: General expenses, Bureau of Soils: Investigation of the relation of soils to climate and organic life; for the investigation of the texture and composition of soils in the field and laboratory; for the investigation of the cause and prevention of the rise of alkali in the soils of the irrigated districts; the investigation of the relation of soils to drainage and seepage waters, and of methods for the prevention of the accumulation of and injury from seepage waters in irrigated districts; for investigations of soils and for indicating upon maps or plats, by coloring or otherwise, the results of such investigations; to map the tobacco soils of the United States; to investigate the soils and conditions of tobacco growth in Cuba, Sumatra, and other tobacco-competing countries; to investigate, in cooperation with the Bureau of Plant Industry, the methods of curing, with particular reference to fermentation; to originate, through selection and breeding, improved varieties for the principal tobacco districts of the United States, and to secure, as far as may be, a change in the methods of supplying tobacco to foreign countries; the location of the stations; rent of buildings, not to exceed four thousand dollars per annum, for office and laboratory purposes; the employment of local and special agents, clerks, assistants, and other labor required in conducting experiments in the city of Washington and elsewhere, and in collating, digesting, reporting, and illustrating the results of such experiments; the preparation and printing of reports, drawings, and illustrations; for materials, tools, instruments, apparatus, gas, and electric current, furniture, supplies; for telegraph and telephone service, and for traveling expenses, freight and express charges, and other necessary expenses, one hundred and seventy thousand dollars.

Total for Bureau of Soils, two hundred and four thousand six hundred and sixty dollars.

BUREAU OF ENTOMOLOGY.

SALARIES, BUREAU OF ENTOMOLOGY: One entomologist, who shall be chief of bureau, two thousand seven hundred and fifty dollars, and for additional compensation while the office is held by the present incumbent, five hundred dollars, three thousand two hundred and fifty dollars; one chief clerk, one thousand eight hundred dollars; three clerks, class two, four thousand two hundred dollars; one artist, one thousand four hundred dollars; one clerk, class one, one thousand two hundred dollars; three clerks, at one thousand dollars each, three thou-

sand dollars; one messenger, eight hundred and forty dollars; one clerk, seven hundred and twenty dollars; in all, sixteen thousand four hundred and ten dollars.

ENTOMOLOGICAL INVESTIGATIONS: General expenses, Bureau of Entomology: Promotion of economic entomology; investigating the history and habits of insects injurious and beneficial to agriculture, horticulture, and arboriculture; ascertaining the best means of destroying those found to be injurious, including an investigation into the ravages of insects affecting field crops; investigations of the insects affecting small fruit, shade trees, and truck crops, forests and forest products and stored products; investigation of insects in relation to diseases of men and domestic animals and as animal parasites; miscellaneous insect investigations, including the introduction of beneficial insects, quarantine work, and the study of fungous and other diseases of insects; for the expenses of insect laboratory, collections, and experimental garden; investigations in apiculture and in silk culture; investigations of insecticides and insecticide machinery; purchase of chemicals, insecticide apparatus, and other materials, supplies, and instruments required in conducting such experiments and investigations; for the employment of local and special agents, clerks, assistants, and other labor required in conducting experiments in the city of Washington and elsewhere, and in collating, digesting, reporting, and illustrating the results of such experiments; freight and express charges and necessary traveling expenses; rent of buildings; for office fixtures and supplies, telegraph and telephone services; gas and electric current; preparing, illustrating, and publishing the results of the work of the Bureau, sixty-eight thousand and sixty dollars: *Provided*, That of this sum the Secretary of Agriculture may, if he deems it wise to do so, expend not to exceed two thousand five hundred dollars for the investigation and introduction of parasites and other natural enemies of the gypsy and brown-tail moths.

Total for Bureau of Entomology, eighty-four thousand four hundred and seventy dollars.

BUREAU OF BIOLOGICAL SURVEY.

SALARIES, BUREAU OF BIOLOGICAL SURVEY: One biologist, who shall be chief of Bureau, three thousand dollars; one clerk class one, one thousand two hundred dollars; two clerks, at one thousand dollars each, two thousand dollars; one clerk, nine hundred dollars; one messenger or laborer, four hundred and eighty dollars; in all, seven thousand five hundred and eighty dollars.

BIOLOGICAL INVESTIGATIONS: General expenses, biological investigations: For biological investigations, including the geographic distribution and migrations of animals, birds, and plants, and for the promotion of economic ornithology and mammalogy; for an investigation of the food habits of North American birds and mammals in relation to agriculture, horticulture, and forestry; for the employment of local and special agents, clerks, assistants, and other labor required in conducting experiments in the city of Washington and elsewhere, and in collating, digesting, reporting, and illustrating the results of such experiments; for freight and express charges; for office fixtures and supplies, gas and electric current, telegraph and telephone service; for preparation and publication of reports, and for illustrations, field work, and traveling and other expenses in the prac-

tical work of the division, and to enable the Secretary of Agriculture to carry into effect the provisions of an Act approved May twenty-fifth, nineteen hundred, entitled "An Act to enlarge the powers of the Department of Agriculture, prohibiting the transportation by interstate commerce of game killed in violation of local laws, and for other purposes," forty-four thousand four hundred and twenty dollars.

Total for Bureau of Biological Survey, fifty-two thousand dollars.

DIVISION OF ACCOUNTS AND DISBURSEMENTS.

SALARIES, DIVISION OF ACCOUNTS AND DISBURSEMENTS: Chief of division and disbursing clerk, two thousand seven hundred and fifty dollars; one assistant chief of division, two thousand five hundred dollars; one auditor, two thousand dollars; one cashier, one thousand eight hundred dollars; one clerk, class four, one thousand eight hundred dollars; three clerks, class three, four thousand eight hundred dollars; six clerks, class two, eight thousand four hundred dollars; two clerks, class one (one of whom shall be a stenographer and typewriter), two thousand four hundred dollars; two clerks, at one thousand dollars each, two thousand dollars; three clerks (now laborers), at seven hundred and twenty dollars each, two thousand one hundred and sixty dollars; one custodian of records and files, one thousand dollars; one clerk (now laborer), six hundred dollars; in all, thirty-two thousand two hundred and ten dollars.

DIVISION OF PUBLICATIONS.

SALARIES, DIVISION OF PUBLICATIONS: One editor, who shall be chief of division, three thousand dollars; one editor, who shall be assistant chief of division, two thousand two hundred and fifty dollars; one associate editor, two thousand dollars; one assistant editor, one thousand eight hundred dollars; two assistant editors, at one thousand six hundred dollars each, three thousand two hundred dollars; one editorial clerk, one thousand six hundred dollars; one editorial clerk, one thousand four hundred dollars; one engraver, one thousand eight hundred dollars; one draftsman or clerk, one thousand five hundred dollars; two draftsmen or clerks, at one thousand four hundred dollars each, two thousand eight hundred dollars; one draftsman or clerk, one thousand two hundred dollars; one chief clerk, one thousand eight hundred dollars; four clerks, class one, four thousand eight hundred dollars; three clerks, at one thousand dollars each, three thousand dollars; one assistant in charge document section, one thousand eight hundred dollars; one assistant in document section, one thousand four hundred dollars; one assistant in document section, one thousand two hundred dollars; one foreman, document section, one thousand four hundred dollars; one foreman, farmers' bulletin distribution, one thousand two hundred dollars; one chief folder, one thousand dollars; three folders, at eight hundred and forty dollars each, two thousand five hundred and twenty dollars; two folders, at six hundred dollars each, one thousand two hundred dollars; one clerk, nine hundred dollars; three clerks, at eight hundred and forty dollars each, two thousand five hundred and twenty dollars; twenty-eight clerks (now laborers), at seven hundred and twenty dollars each, twenty thousand one hundred and sixty dollars; thirty-five clerks (now laborers), at six hundred dollars each, twenty-one thousand dollars; two

assistant photographers, at eight hundred and forty dollars each, one thousand six hundred and eighty dollars; seven skilled laborers (now laborers), at seven hundred and twenty dollars each, five thousand and forty dollars; twenty skilled laborers (now laborers), at six hundred dollars each, twelve thousand dollars; one skilled laborer (now laborer), four hundred and eighty dollars; one messenger, eight hundred and forty dollars; two messengers, at seven hundred and twenty dollars each, one thousand four hundred and forty dollars; one messenger (now laborer), seven hundred and twenty dollars; three messengers (now laborers), at six hundred dollars each, one thousand eight hundred dollars; two messengers (now laborers), at four hundred and twenty dollars each, eight hundred and forty dollars; one messenger boy (now laborer), three hundred and sixty dollars; one fireman, seven hundred and twenty dollars; in all, one hundred and fourteen thousand three hundred and seventy dollars.

PUBLICATIONS, DEPARTMENT OF AGRICULTURE: General expenses, Division of Publications: For the preparation, printing, illustration, publication, indexing, and distribution of documents, bulletins, and reports, one hundred and thirty-two thousand two hundred and fifty dollars, of which sum ninety-eight thousand seven hundred and fifty dollars shall be available for the preparation, printing, and distribution of farmers' bulletins, which shall be adapted to the interests of the people of the different sections of the country, an equal proportion of four-fifths of which shall be delivered to or sent out under the addressed franks furnished by Senators, Representatives, and Delegates in Congress, as such Senators, Representatives, or Delegates in Congress shall direct: *Provided*, That the Secretary of Agriculture shall notify Senators, Representatives, and Delegates in Congress of the title and character of each such bulletin, with the total number to which each Senator, Representative, and Delegate may be entitled for such distribution; and on the face of the envelope inclosing said bulletins shall be printed the title of each bulletin contained therein: *Provided further*, That all such bulletins included in the quotas of Senators, Representatives, or Delegates not called for on or before the thirty-first day of May in each fiscal year shall revert to the Secretary of Agriculture, and be available to him, either for miscellaneous distribution or in making up Congressional quotas for the next fiscal year; three thousand five hundred dollars for additional assistants, editorial, proof reading, indexing, and other necessary help in the city of Washington and elsewhere; for the pay of artists, draftsmen, and engravers; the purchase of manuscript for publication; for tools, instruments, and artists' materials; for drawings, engravings, photographs, paintings, lithographs, and other illustration work; for electrotypes, and for traveling expenses when necessary; thirty thousand dollars for labor and material required in the distribution of documents, including wagons, harness, and horses, and maintenance of same, and for repairs; for rent of buildings for the storage and distribution of publications; for the pay of watchmen and charwomen; for all necessary office fixtures and supplies; for gas and electric current, telegraph and telephone services, and for such other expenses as may be necessary; in all, one hundred and thirty-two thousand two hundred and fifty dollars.

Total for Division of Publications, two hundred and forty-six thousand six hundred and twenty dollars.

BUREAU OF STATISTICS.

SALARIES, BUREAU OF STATISTICS: One statistician, who shall be chief of Bureau, three thousand five hundred dollars; one assistant statistician, who shall be assistant chief of Bureau, two thousand two hundred dollars; one editorial assistant, two thousand three hundred dollars; one chief clerk, one thousand eight hundred dollars; nine clerks, class four, sixteen thousand two hundred dollars; six clerks, class three, nine thousand six hundred dollars; twelve clerks, class two, sixteen thousand eight hundred dollars; two clerks, at one thousand three hundred dollars each, two thousand six hundred dollars; thirteen clerks, class one, fifteen thousand six hundred dollars; one clerk, one thousand one hundred dollars; ten clerks, at one thousand dollars each, ten thousand dollars; four clerks, at eight hundred and forty dollars each, three thousand three hundred and sixty dollars; one clerk, seven hundred and twenty dollars; ten clerks (now laborers), at seven hundred and twenty dollars each, seven thousand two hundred dollars; five clerks (now laborers), at six hundred dollars each, three thousand dollars; two messengers, at eight hundred and forty dollars each, one thousand six hundred and eighty dollars; in all, ninety-seven thousand six hundred and sixty dollars.

COLLECTING AGRICULTURAL STATISTICS: General expenses, Bureau of Statistics: Collecting domestic and foreign agricultural statistics, compiling, writing, and illustrating statistical matter for monthly, annual, and special reports; special investigations and compilations; subscription to, and purchase of, statistical and newspaper publications containing data for permanent comparative records; maps and charts, stationery, office supplies, blanks, blank books, circulars, paper, envelopes, postal cards, postage stamps, office fixtures, telegraph and telephone services, freight and express charges, including employment of labor in the city of Washington and elsewhere, actual and necessary traveling expenses: *Provided*, That the monthly crop reports issued on the third and tenth days of each month shall embrace statements of the conditions of the crops by States, in the United States, with such explanations, comparisons, and information as may be useful for illustrating the above matter, and that it shall be submitted to and officially approved by the Secretary of Agriculture before being issued or published, ninety-three thousand nine hundred dollars, of which not more than twenty thousand dollars shall be expended for salaries in the city of Washington, District of Columbia.

Investigations concerning the feasibility of extending the demands of foreign markets for the agricultural products of the United States, and to secure as far as may be a change in the methods of supplying farm products to foreign countries; employment of local and special agents, clerks, assistants, and other labor required in making investigations in the city of Washington and elsewhere, and in collating, digesting, reporting, and illustrating the results of such investigations; traveling expenses, and freight and express charges; telephone and telegraph services; and all necessary office fixtures and supplies, four thousand nine hundred dollars.

Total for Bureau of Statistics, one hundred and ninety-six thousand four hundred and sixty dollars.

LIBRARY.

SALARIES, LIBRARY, DEPARTMENT OF AGRICULTURE: One librarian, two thousand dollars; one assistant librarian, one thousand four hundred dollars; one clerk (who shall be a translator), one thousand two hundred dollars; one cataloguer, one thousand two hundred dollars; three cataloguers, at one thousand dollars each, three thousand dollars; three clerks, at eight hundred and forty dollars each, two thousand five hundred and twenty dollars; one clerk (now laborer), six hundred dollars; one messenger, seven hundred and twenty dollars; one messenger or laborer, three hundred and sixty dollars; in all, thirteen thousand dollars.

LIBRARY, DEPARTMENT OF AGRICULTURE: General expenses, library: Purchase of technical books of reference, technical papers, and technical periodicals necessary for the work of the Department, and for expenses incurred in completing imperfect series, for binding periodicals, and for the employment of additional assistance in the city of Washington and elsewhere, when necessary; for traveling expenses, and for library fixtures, shelving, library cards, and other material, eight thousand and forty dollars: *Provided*, That section thirty-six hundred and forty-eight of the Revised Statutes shall not apply to the subscriptions for publications for the Department of Agriculture, and the Secretary of Agriculture is authorized to pay in advance for any publications for the use of this Department. And the Secretary of Agriculture is hereby authorized to furnish to such institutions or individuals as may care to buy them, copies of the card index of the publications of the Department and of other agricultural literature prepared by the library, and charge for the same a price covering the additional expense involved in the preparation of these copies, and he is hereby authorized to apply the moneys received toward the expense of the preparation of the index.

Total for library, Department of Agriculture, twenty-one thousand and forty dollars.

CONTINGENT EXPENSES.

CONTINGENT EXPENSES, DEPARTMENT OF AGRICULTURE: Purchase of stationery, blank books, twine, paper, gum, dry goods, soap, brushes, brooms, mats, oils, paints, glass, lumber, hardware, ice, fuel, water and gas pipes, heating apparatus, furniture, carpets, matting; for lights, freight, express charges, advertising, telegraphing, washing towels, and necessary repairs and improvements to buildings and heating apparatus; the purchase, subsistence, and care of horses, for official purposes only; the purchase and repair of harness; the purchase and repair of vehicles, for official purposes only; payment of duties on imported articles, and the Department of Agriculture's proportionate share of the dispatch agent in New York, not to exceed four hundred dollars: actual traveling expenses while on business of the Department; and other miscellaneous supplies and expenses not otherwise provided for, and necessary for the practical and efficient work of the Department, including not to exceed two thousand five hundred dollars for postage, thirty-seven thousand dollars, of which sum two thousand dollars shall be immediately available.

OFFICE OF EXPERIMENT STATIONS.

SALARIES, OFFICE OF EXPERIMENT STATIONS: One director, three thousand five hundred dollars; one chief clerk, one thousand eight hundred dollars; one editorial assistant, one thousand eight hundred dollars; one clerk and proof reader, one thousand six hundred dollars; two clerks, class two, two thousand eight hundred dollars; four clerks, class one, four thousand eight hundred dollars; five clerks, at one thousand dollars each, five thousand dollars; two clerks, at nine hundred dollars each, one thousand eight hundred dollars; three clerks, at eight hundred and forty dollars each, two thousand five hundred and twenty dollars; one messenger, eight hundred and forty dollars; one messenger or laborer, five hundred and forty dollars; one messenger boy, three hundred and sixty dollars; one copyist or laborer, seven hundred and twenty dollars; two laborers or charwomen, at four hundred and eighty dollars each, nine hundred and sixty dollars; in all, twenty-nine thousand and forty dollars.

AGRICULTURAL EXPERIMENT STATIONS: To carry into effect the provisions of an Act approved March second, eighteen hundred and eighty-seven, entitled "An Act to establish agricultural experiment stations in connection with the colleges established in the several States under the provisions of an Act approved July second, eighteen hundred and sixty-two, and of the Acts supplementary thereto," and to enforce the execution thereof, seven hundred and ninety-four thousand six hundred and sixty dollars, twenty-one thousand six hundred and sixty dollars of which sum shall be payable upon the order of the Secretary of Agriculture, to enable him to carry out the provisions of section three of said Act of March second, eighteen hundred and eighty-seven, and the Secretary of Agriculture shall prescribe the form of the annual financial statement required by section three of said Act of March second, eighteen hundred and eighty-seven; shall ascertain whether the expenditures under the appropriation hereby made are in accordance with the provisions of said Act, and shall make report thereon to Congress; and the Secretary of Agriculture is hereby authorized to employ such assistants, clerks, and other persons as he may deem necessary, in the city of Washington and elsewhere, and to incur such other expenses for office fixtures and supplies, stationery, traveling, freight and express charges, illustration of the Experiment Station Record, bulletins, and reports as he may find essential in carrying out the objects of the above Acts; and the sums apportioned to the several States shall be paid quarterly in advance. And the Secretary of Agriculture is hereby authorized to furnish to such institutions or individuals as may care to buy them, copies of the card index of agricultural literature prepared by the Office of Experiment Stations, and charge for the same a price covering the additional expense involved in the preparation of these copies, and he is hereby authorized to apply the moneys received toward the expense of the preparation of the index, and this fund shall be available until used; and the Secretary of Agriculture is hereby authorized to expend forty-eight thousand dollars of which sum to establish and maintain agricultural experiment stations in the Territories of Alaska, Hawaii, and Porto Rico, including the erection of buildings, the printing (in Hawaii and Porto Rico), illustration, and distribution of reports and bulletins: *Provided*, That not more than fifteen thousand dollars shall be expended for the maintenance of such stations in any

one of said Territories, except in the case of Alaska, where three thousand dollars additional may be used for the purchase and introduction of live stock for experimental purposes; and the Secretary of Agriculture is authorized to sell such products as are obtained on the land belonging to the agricultural experiment stations in Alaska, Hawaii, and Porto Rico, and to apply the moneys received from the sale of such products to the maintenance of said stations, and this fund shall be available until used; in all, seven hundred and ninety-four thousand six hundred and sixty dollars: *Provided*, That five thousand dollars of this sum shall be used by the Secretary of Agriculture to investigate and report upon the organization and progress of farmers' institutes in the several States and Territories, and upon similar organizations in foreign countries, with special suggestions of plans and methods for making such organizations more effective for the dissemination of the results of the work of the Department of Agriculture and the agricultural experiment stations and of improved methods of agricultural practice.

NUTRITION INVESTIGATIONS: To enable the Secretary of Agriculture to investigate and report upon the nutritive value of the various articles and commodities used for human food, with special suggestions of full, wholesome, and edible rations less wasteful and more economical than those in common use, including special investigations on the nutritive value and economy of the diet in public institutions; and the agricultural experiment stations are hereby authorized and directed to cooperate with the Secretary of Agriculture in carrying out said investigations in such manner and to such extent as may be warranted by a due regard to the varying conditions and needs of the respective States and Territories, and as may be mutually agreed upon; and the Secretary of Agriculture is hereby authorized to require said stations to report to him the results of any such investigations which they may carry out, whether in cooperation with the said Secretary of Agriculture or otherwise, twenty thousand dollars.

IRRIGATION AND DRAINAGE INVESTIGATIONS: To enable the Secretary of Agriculture to investigate and report upon the laws of the States and Territories as affecting irrigation and the rights of appropriators and of riparian proprietors and institutions relating to irrigation and upon the use of irrigation waters, at home and abroad; with especial suggestions of the best methods for the utilization of irrigation waters in agriculture, and upon plans for the removal of seepage and surplus waters by drainage, and upon the use of different kinds of power; and appliances for irrigation, drainage, and other agricultural purposes and for the preparation, printing, and illustration of reports and bulletins on irrigation and drainage, including employment of labor in the city of Washington or elsewhere; and the agricultural experiment stations are hereby authorized and directed to cooperate with the Secretary of Agriculture in carrying out said investigations in such manner and to such extent as may be warranted by a due regard to the varying conditions and needs and laws of the respective States and Territories as may be mutually agreed upon, and all necessary expenses, seventy-four thousand two hundred dollars.

Total for Office of Experiment Stations, nine hundred and seventeen thousand nine hundred dollars.

SALARIES, OFFICE OF PUBLIC ROADS: One director, who shall be a scientist and have charge of all scientific and technical work, two

thousand five hundred dollars; one chief of records, one thousand eight hundred dollars; one instrument maker, one thousand two hundred dollars; one editorial clerk, one thousand two hundred dollars; one clerk, class one, one thousand two hundred dollars; three clerks, at one thousand dollars each, three thousand dollars; two clerks (now laborers), at seven hundred and twenty dollars each, one thousand four hundred and forty dollars; in all, twelve thousand three hundred and forty dollars.

PUBLIC ROADS: To enable the Secretary of Agriculture to make inquiries in regard to the systems of road management throughout the United States; to furnish expert advice on road building; to make investigations in regard to the best methods of road making, and the best kinds of road-making materials in the several States; to investigate the chemical and physical character of road materials; for the employment of local and special agents, clerks, assistants, and other labor required in the city of Washington and elsewhere; for collating, digesting, reporting, and illustrating the results of such investigations and experiments; for preparing, publishing, and distributing bulletins and reports; for rent and repairs of a building not to exceed one thousand two hundred dollars; for necessary office fixtures and supplies, apparatus, and materials; telegraph and telephone service, traveling and other necessary expenses, and to enable him to assist the agricultural colleges and experiment stations in disseminating information on this subject, thirty-seven thousand six hundred and sixty dollars.

Total for office of public roads, fifty thousand dollars.

Total, Department of Agriculture, six million six hundred and ninety-two thousand six hundred and ninety dollars.

EMERGENCY APPROPRIATION: To enable the Secretary of Agriculture to meet the emergency caused by the ravages of the Mexican cotton-boll weevil and other insects and diseases affecting cotton; to study diversification of crops and improve cotton by breeding and selection in the Southern States, one hundred and ninety thousand dollars, or so much thereof as may be necessary. And the Secretary of Agriculture is hereby authorized to expend the said appropriation in such manner as he shall deem best, in cooperation with the State experiment stations and practical cotton growers.

And the Secretary of Agriculture is hereby authorized to make such appointments, promotions, and changes in salaries, to be paid out of the lump funds of the several bureaus, divisions and offices of the Department as may be for the best interests of the service: *Provided*, That the maximum salary of any classified scientific investigator in the city of Washington, or other employee engaged in scientific work, shall not exceed three thousand dollars per annum. And the Secretary of Agriculture is hereby authorized and directed to pay the salary of each employee from the roll of the bureau, independent division, or office in which the employee is working, and no other: *Provided, however*, That details may be made from the office of the Secretary when necessary and the services of the person whom it is proposed to detail are not required in that office; and he is further authorized and directed to submit to Congress each year a statement covering all appointments, promotions, or other changes made in the salaries paid from lump funds, giving in each case the title, salary, and amount of such change or changes, together with reasons therefor.

All classified laborers whose positions are transferred from the lump funds to the statutory rolls are hereby placed in the classified service without further examination in the grades and at the rates of compensation herein provided.

Approved, March 3, 1905.